

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Canceled).

2. (Original) A radio communication apparatus based on a hybrid ARQ scheme that retransmits transmission data to a reception apparatus based on a retransmission request from said reception apparatus, comprising:

a transmission count estimation section that estimates a transmission count based on a retransmission request from said reception apparatus;

a coding rate calculation section that calculates a coding rate based on a set modulation scheme, transmission data and the number of codes;

a selection section that selects retransmission parameters based on said set modulation scheme, the estimated transmission count estimated by said transmission count estimation section and coding rate calculated by said coding rate calculation section in such a way that reception power of all retransmission data at said reception apparatus increases; and

a coding section that codes said transmission data based on the selected retransmission parameter selected by said selection section and generates retransmission data.

3. (Original) The radio transmission apparatus according to claim 2, wherein said selection section stores a table in which retransmission parameters are set based on said estimated transmission count and said coding rate for each said modulation scheme.

4. (Original) A radio transmission apparatus based on a hybrid ARQ scheme that retransmits transmission data to a reception apparatus based on a retransmission request from said reception apparatus, comprising:

    a transmission count estimation section that estimates a transmission count based on a retransmission request from said reception apparatus;

    a coding rate calculation section that calculates a coding rate based on a set modulation scheme, transmission data and the number of codes;

    an RV estimated transmission count setting section that sets an estimated transmission count for a retransmission parameter based on said set modulation scheme, estimated transmission count estimated by said transmission count estimation section and coding rate calculated by said coding rate calculation section;

    a selection section that selects retransmission parameters based on said set modulation scheme, the RV estimated transmission count for retransmission parameters set by said RV estimated transmission count setting section and coding rate calculated by said coding rate calculation section in such a way that reception power of all retransmission data at said reception apparatus increases; and

    a coding section that codes said transmission data based on the retransmission parameter selected by said selection section and generates retransmission data.

5. (Original) The radio transmission apparatus according to claim 4, wherein said selection section stores a table in which retransmission parameters are set based on said RV estimated transmission count and said coding rate for each said modulation scheme.

6. (Canceled).

7. (Original) A radio transmission method based on a hybrid ARQ scheme that retransmits transmission data to a reception apparatus based on a retransmission request from said reception apparatus, comprising:

    a transmission count estimation step of estimating a transmission count based on a retransmission request from said reception apparatus;

    a coding rate calculation step of calculating a coding rate based on a set modulation scheme, transmission data and the number of codes;

    a selection step of selecting retransmission parameters based on said set modulation scheme, said estimated transmission count and said calculated coding rate in such a way that reception power of all retransmission data at said reception apparatus increases; and

    a coding step of coding said transmission data based on said selected retransmission parameter and generating retransmission data.

8. (Original) A radio transmission method based on a hybrid ARQ scheme that retransmits transmission data to a reception apparatus based on a retransmission request from said reception apparatus, comprising:

    a transmission count estimation step of estimating a transmission count based on a retransmission request from said reception apparatus;

    a coding rate calculation step of calculating a coding rate based on a set modulation scheme, transmission data and the number of codes;

    an RV estimated transmission count setting step of setting an RV estimated transmission count for a retransmission parameter based on said set modulation scheme, said estimated RV estimated transmission count and said calculated coding rate;

    a selection step of selecting retransmission parameters based on said set modulation scheme, said RV estimated transmission count for said set retransmission parameter and said calculated coding rate in such a way that reception power of all retransmission data at said reception apparatus increases; and

    a coding step of coding said transmission data based on said selected retransmission parameter and generating retransmission data.